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- Albert H. Ketcham—1870 to 1935 (Graber). 1999;115:465 (Vignette)

Kingsley, Norman W.

- Norman W. Kingsley (1829-1913) (Asbell). 1999;115:101 (Vignette)

L**Lectures**

- Considerations of functional aspects in dentofacial orthopedics and orthodontics: Sheldon Friel Memorial Lecture (Schmuth). 1999;115:373-81 (Special article)

Ligature ties; see Orthodontic appliances**Light-curing**

- A comparison of the shear bond strength of two glass ionomer cements (Meehan et al). 1999;115:125-32

Lipopolysaccharides

- Endotoxin affinity for orthodontic brackets (Knoernschild et al). 1999;115:634-9

Literature

- Arch width and form: a review (Lee). 1999;115:305-13 (Continuing education)

Litigation, legislation, and ethics

- Litigation, legislation, and ethics. 1999;115:220-2, 337-9, 471-2, 602-4, 709-10

M**Macaca fuscata**

- Magnetic resonance images and histology of the spheno-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42

Magnetic resonance imaging

- Magnetic resonance images and histology of the spheno-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42
- Temporomandibular joint remodeling in adolescents and young adults during Herbst treatment: a prospective longitudinal magnetic resonance imaging and cephalometric radiographic investigation (Ruf and Pancherz). 1999;115:607-18

Malocclusion

- Asymmetric extraction treatment of a Class II Division 1 subdivision left malocclusion with anterior and posterior crossbites (Todd et al). 1999; 115:410-7 (Case rep)
- Cephalometric evaluation of the anterior open bite treatment (Chang and Moon). 1999;115:29-38
- Correction of a severe Class II Division 1 malocclusion with bilateral buccal crossbite (Melone and Pardin). 1999;115:418-22 (Case rep)
- Design and fabrication of a modified protraction headgear for Class III long face patients (Nik and Noroozi). 1999;115:553-8 (Case rep)
- @ICI: The effectiveness of protraction face mask therapy: a meta-analysis (Kim et al). 1999;115:675-85
- Identical twins treated differently (Benson et al). 1999;115:293-9 (Case rep)
- Mandibular asymmetry and condylar position in children with unilateral posterior crossbite (Lam et al). 1999;115:569-75 (Continuing education)
- Multilingual bracket treatment combined with orthognathic surgery in a skeletal Class III patient with facial asymmetry (Fukui et al). 1999;115:654-9 (Case rep)
- A new accurate approach to the anterior ratio with clinical applications. part I: a computer program (Braun et al). 1999;115:368-72 (Special article)
- A study of 1000 malocclusions selected by the HLD (CalMod) Index (Parker). 1999;115:343-51
- Temporomandibular joint remodeling in adolescents and young adults during Herbst treatment: a prospective longitudinal magnetic resonance imaging and cephalometric radiographic investigation (Ruf and Pancherz). 1999;115:607-18
- Tongue muscle activity after orthodontic treatment of anterior open bite: a case report (Yashiro and Takada). 1999;115:660-6 (Case rep)

Malocclusion, Angle Class II

- Arch width and form: a review (Lee). 1999;115:305-13 (Continuing education)
- Class II, Division 1, case with multiple treatment challenges (Cureton and Polk). 1999;115:148-52 (Case rep)
- Overjet reduction and molar correction in fixed appliance treatment of Class II, Division 1, malocclusions: sagittal and vertical components (Nelson et al). 1999;115:13-23

Malocclusion, Angle Class III

- Craniofacial adaptations induced by chinup therapy in Class III patients (Deguchi and McNamara). 1999;115:175-82 (Continuing education)
- Effects of mandibular incisor extraction on anterior occlusion in adults with Class III malocclusion and reduced overbite (Færøvig and Zachrisson). 1999;115:113-24

Malpractice

- Déjà vu (Jerrold). 1999;115:XX14 (Litigation/legis/ethics)

Mandible

- Accuracy of video imaging for predicting the soft tissue profile after mandibular set-back surgery (Kazandjian et al). 1999;115:382-9
- Craniofacial adaptations induced by chinup therapy in Class III patients (Deguchi and McNamara). 1999;115:175-82 (Continuing education)
- Effect of changes in the breathing mode and body position on tongue pressure with respiratory-related oscillations (Takahashi et al). 1999; 115:239-46 (Research article)
- Effects of mandibular incisor extraction on anterior occlusion in adults with Class III malocclusion and reduced overbite (Færøvig and Zachrisson). 1999;115:113-24
- Evaluation of Ricketts' long-range growth prediction in Turkish children (Kocadereli and Telli). 1999;115:515-20
- Magnetic resonance images and histology of the sphenoid-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42
- Management of impacted maxillary canines using mandibular anchorage (Sinha and Nanda). 1999;115:254-7 (Clin corner)
- Mandibular asymmetry and condylar position in children with unilateral posterior crossbite (Lam et al). 1999;115:569-75 (Continuing education)
- Mandibular distraction osteogenesis: a historic perspective and future directions (Cope et al). 1999;115:448-60
- Mandibular length and midline asymmetry after experimentally induced temporomandibular joint disk displacement in rabbits (Legrell and Isberg). 1999;115:247-53
- Masticatory muscle function in patients with spinal muscular atrophy (Granger et al). 1999;115:697-702

- Multilingual bracket treatment combined with orthognathic surgery in a skeletal Class III patient with facial asymmetry (Fukui et al). 1999; 115:654-9 (Case rep)

- A new accurate approach to the anterior ratio with clinical applications. part I: a computer program (Braun et al). 1999;115:368-72 (Special article)

- A new accurate approach to the anterior ratio with clinical applications. part II: a nomographic solution (Braun et al). 1999;115:494-7 (Special article)

- Overjet reduction and molar correction in fixed appliance treatment of Class II, Division 1, malocclusions: sagittal and vertical components (Nelson et al). 1999;115:13-23

- Relationship between anteroposterior maxillomandibular morphology and masticatory jaw movement patterns (Gerstner et al). 1999;115:258-66 (Research article)

- Third molars: a dilemma? Or is it? (Bishara). 1999;115:628-33 (Clin corner)

Mandibular condyle

- Condylar cartilage response to continuous passive motion in adult guinea pigs: a pilot study (Mussa et al). 1999;115:360-7

Mastication

- Relationship between anteroposterior maxillomandibular morphology and masticatory jaw movement patterns (Gerstner et al). 1999;115:258-66 (Research article)

Masticatory muscles

- Masticatory muscle function in patients with spinal muscular atrophy (Granger et al). 1999;115:697-702

Mathematics

- A new accurate approach to the anterior ratio with clinical applications. part I: a computer program (Braun et al). 1999;115:368-72 (Special article)
- A new accurate approach to the anterior ratio with clinical applications. part II: a nomographic solution (Braun et al). 1999;115:494-7 (Special article)

Maxilla

- Analysis of rapid maxillary molar distal movement without patient cooperation (Runge et al). 1999;115:153-7 (Continuing education)
- Analysis of stress in the periodontium of the maxillary first molar with a three-dimensional finite element model (Jeon et al). 1999;115:267-74
- Class II, Division 1, case with multiple treatment challenges (Cureton and Polk). 1999;115:148-52 (Case rep)
- Craniofacial adaptations induced by chinup therapy in Class III patients (Deguchi and McNamara). 1999;115:175-82 (Continuing education)
- Evaluation of Ricketts' long-range growth prediction in Turkish children (Kocadereli and Telli). 1999;115:515-20
- Intermaxillary forces during activator treatment (Katsavrias and Halazonetis). 1999;115:133-7
- Localization of the unerupted maxillary canine: how to and when to (Jacobs). 1999;115:314-22 (Continuing education)
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- Management of impacted maxillary canines using mandibular anchorage (Sinha and Nanda). 1999;115:254-7 (Clin corner)
- Management of severe cleft maxillary deficiency with distraction osteogenesis: procedure and results (Figueroa and Polley). 1999;115:1-12
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- Rapid maxillary expansion with incisor intrusion: a study of vertical control (Pearson and Pearson). 1999;115:576-82 (Continuing education)
- Relationship between anteroposterior maxillomandibular morphology and masticatory jaw movement patterns (Gerstner et al). 1999;115:258-66 (Research article)
- Treatment of an impacted dilacerated maxillary central incisor (Lin). 1999;115:406-9 (Case rep)

Meta-analysis

- The effectiveness of protraction face mask therapy: a meta-analysis (Kim et al). 1999;115:675-85

Molar

- Analysis of rapid maxillary molar distal movement without patient cooperation (Runge et al). 1999;115:153-7 (Continuing education)
- Analysis of stress in the periodontium of the maxillary first molar with a three-dimensional finite element model (Jeon et al). 1999;115:267-74
- Bonded molar tubes: a retrospective evaluation of clinical performance (Millett et al). 1999;115:667-74
- Interleukin-1 β and β -glucuronidase in gingival crevicular fluid from molars during rapid palatal expansion (Tzannetou et al). 1999;115:686-96 (Continuing education)
- Overjet reduction and molar correction in fixed appliance treatment of Class II, Division 1, malocclusions: sagittal and vertical components (Nelson et al). 1999;115:13-23
- An ultrastructural study of the effects of bisphosphonate administration on osteoclastic bone resorption during relapse of experimentally-moved rat molars (Kim et al). 1999;115:645-53

Molar, third

- Third molars: a dilemma? Or is it? (Bishara). 1999;115:628-33 (Clin corner)

Molybdenum

- The wire material and cross-section effect on double delta closing loops regarding load and spring rate magnitude: an in vitro study (Ferreira). 1999;115:275-82

Monkeys

- Magnetic resonance images and histology of the speno-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42

Morphing

- Morphing and warping, part I (Halazonetis). 1999;115:466-70 (Ortho bytes)
- Morphing and warping, part II (Halazonetis). 1999;115:706-8 (Ortho bytes)

Mosmann, Walter H.

- Dr Walter H. Mosmann (Tweedle). 1999;115:464 (In memoriam)

Motion therapy, continuous passive

- Condylar cartilage response to continuous passive motion in adult guinea pigs: a pilot study (Mussa et al). 1999;115:360-7

Motivation

- The treatment motivation survey: defining patient motivation for treatment (Arnett and Worley). 1999;115:233-8 (Case rep)

Mouth breathing

- Effect of changes in the breathing mode and body position on tongue pressure with respiratory-related oscillations (Takahashi et al). 1999;115:239-46 (Research article)

Muscular atrophy, spinal

- Masticatory muscle function in patients with spinal muscular atrophy (Granger et al). 1999;115:697-702

N**Nickel**

- Force characteristics of nickel-titanium tension coil springs (Tripolt et al). 1999;115:498-507
- Mechanical properties of several nickel-titanium alloy wires in three-point bending tests (Nakano et al). 1999;115:390-5

Nomographs

- A new accurate approach to the anterior ratio with clinical applications, part II: a nomographic solution (Braun et al). 1999;115:494-7 (Special article)

O**Obituaries**

- Charles H. Smith—Dec 24, 1923 to Dec 25, 1998 (Skafidas). 1999;115:463 (In memoriam)
- Dr Walter H. Mosmann (Tweedle). 1999;115:464 (In memoriam)
- Howard W. Conley (Zwemer et al). 1999;115:223 (In memoriam)
- @ICI: Roger J. Fredsall (Graber). 1999;115:102 (In memoriam)
- Santo Paul Signorino, Dec 27, 1929 to Nov 18, 1998 (Graber). 1999;115:598 (In memoriam)

Occipital bone

- Magnetic resonance images and histology of the speno-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42

Occlusion

- Cephalometric evaluation of the anterior open bite treatment (Chang and Moon). 1999;115:29-38
- Effects of mandibular incisor extraction on anterior occlusion in adults with Class III malocclusion and reduced overbite (Færøvig and Zachrisson). 1999;115:113-24
- A method of finishing the occlusion (Poling). 1999;115:476-87
- Three-dimensional dental arch curvature in human adolescents and adults (Ferrario et al). 1999;115:401-5

Occupational health

- Prospective survey of percutaneous injuries in orthodontic assistants (McNamara and Bagramian). 1999;115:72-6 (Continuing education)

Office automation

- Electronic communication and discussion forums: news groups and mailing lists (Bar-Zion). 1999;115:216-9 (Ortho bytes)

Open bite

- Cephalometric evaluation of the anterior open bite treatment (Chang and Moon). 1999;115:29-38
- Class II, Division 1, case with multiple treatment challenges (Cureton and Polk). 1999;115:148-52 (Case rep)
- Skeletal anchorage system for open-bite correction (Umemori et al). 1999;115:166-74 (Continuing education)
- Tongue muscle activity after orthodontic treatment of anterior open bite: a case report (Yashiro and Takada). 1999;115:660-6 (Case rep)

Oral breathing; see Mouth breathing**Oral hygiene**

- Effect of brushing with sonic and counterrotational toothbrushes on the bond strength of orthodontic brackets (Hansen et al). 1999;115:55-60

Ortho bytes

- Ortho bytes. 1999;115:103-5, 216-9, 335-6, 466-70, 599-601, 706-8

Orthodontic appliances

- Analysis of rapid maxillary molar distal movement without patient cooperation (Runge et al). 1999;115:153-7 (Continuing education)
- Bonding of hybrid ionomers and resin cements to modified orthodontic band materials (Mennemeyer et al). 1999;115:143-7
- Crossing the midline: a long-term case report (McCollum). 1999;115:559-62 (Case rep)
- Discomfort caused by bonded lingual orthodontic appliances in adult patients as examined by retrospective questionnaire (Miyawaki et al). 1999;115:83-8 (Continuing education)
- Effect of changes in the breathing mode and body position on tongue pressure with respiratory-related oscillations (Takahashi et al). 1999;115:239-46 (Research article)
- Endotoxin affinity for orthodontic brackets (Knoernschild et al). 1999;115:634-9
- In vitro and in vivo fluoride release from orthodontic elastomeric ligation ties (Wiltshire). 1999;115:288-92
- Influence of angulation on the resistance to sliding in fixed appliances (Articolo and Kusy). 1999;115:39-51
- The influence of extraction orthodontic treatment on craniofacial structures: evaluation according to two different factors (Taner-Sarisoy and Darendeliler). 1999;115:508-14
- Intermaxillary forces during activator treatment (Katsavrias and Halazonetis). 1999;115:133-7
- Management of impacted maxillary canines using mandibular anchorage (Sinha and Nanda). 1999;115:254-7 (Clin corner)
- A method of finishing the occlusion (Poling). 1999;115:476-87
- Osteoclast activation and recruitment after application of orthodontic force (Tsay et al). 1999;115:323-30 (Continuing education)
- Overjet reduction and molar correction in fixed appliance treatment of Class II, Division 1, malocclusions: sagittal and vertical components (Nelson et al). 1999;115:13-23
- Psychological function in orthognathic surgical patients before and after bilateral sagittal split osteotomy with rigid and wire fixation (Hatch et al). 1999;115:536-43
- Shear bond strength of composite, glass ionomer, and acidic primer adhesive systems (Bishara et al). 1999;115:24-8
- Site-specific subgingival colonization by *Actinobacillus actinomycetemcomitans* in orthodontic patients (Paolantonio et al). 1999;115:423-8
- The wire material and cross-section effect on double delta closing loops

regarding load and spring rate magnitude: an in vitro study (Ferreira). 1999;115:275-82

Orthodontic appliances, functional

Considerations of functional aspects in dentofacial orthopedics and orthodontics: Sheldon Friel Memorial Lecture (Schmuth). 1999;115:373-81 (Special article)

Design and fabrication of a modified protraction headgear for Class III long face patients (Nik and Noroozi). 1999;115:553-8 (Case rep)

Temporomandibular joint remodeling in adolescents and young adults during Herbst treatment: a prospective longitudinal magnetic resonance imaging and cephalometric radiographic investigation (Ruf and Pancherz). 1999;115:607-18

Treatment and posttreatment effects of acrylic splint Herbst appliance therapy (Franchi et al). 1999;115:429-38

Orthodontic brackets

Effect of brushing with sonic and counterrotational toothbrushes on the bond strength of orthodontic brackets (Hansen et al). 1999;115:55-60

Efficient and effective indirect bonding (Sondhi). 1999;115:352-9 (Special article)

Endotoxin affinity for orthodontic brackets (Knoernschild et al). 1999;115:634-9

Friction in perspective (Braun et al). 1999;115:619-27 (Special article)

Impact resistance of ceramic brackets according to ophthalmic lenses standards (Matasa). 1999;115:158-65 (Continuing education)

Influence of angulation on the resistance to sliding in fixed appliances (Articolo and Kusy). 1999;115:39-51

Multilingual bracket treatment combined with orthognathic surgery in a skeletal Class III patient with facial asymmetry (Fukui et al). 1999;115:654-9 (Case rep)

Shear bond strength of a resin-reinforced glass ionomer cement: an in vitro comparative study (Chung et al). 1999;115:52-4 (Short comm)

Shear bond strength of composite, glass ionomer, and acidic primer adhesive systems (Bishara et al). 1999;115:24-8

Site-specific subgingival colonization by *Actinobacillus actinomycetem-comitans* in orthodontic patients (Paolantonio et al). 1999;115:423-8

Orthodontic wires

Cephalometric evaluation of the anterior open bite treatment (Chang and Moon). 1999;115:29-38

Force characteristics of nickel-titanium tension coil springs (Tripolt et al). 1999;115:498-507

Friction in perspective (Braun et al). 1999;115:619-27 (Special article)

Influence of angulation on the resistance to sliding in fixed appliances (Articolo and Kusy). 1999;115:39-51

Mechanical properties of several nickel-titanium alloy wires in three-point bending tests (Nakano et al). 1999;115:390-5

Psychological function in orthognathic surgical patients before and after bilateral sagittal split osteotomy with rigid and wire fixation (Hatch et al). 1999;115:536-43

The wire material and cross-section effect on double delta closing loops regarding load and spring rate magnitude: an in vitro study (Ferreira). 1999;115:275-82

Orthognathic surgery

Multilingual bracket treatment combined with orthognathic surgery in a skeletal Class III patient with facial asymmetry (Fukui et al). 1999;115:654-9 (Case rep)

Psychological function in orthognathic surgical patients before and after bilateral sagittal split osteotomy with rigid and wire fixation (Hatch et al). 1999;115:536-43

Osteoclastic bone loss; see Bone resorption

Osteoclasts

Osteoclast activation and recruitment after application of orthodontic force (Tsay et al). 1999;115:323-30 (Continuing education)

Osteogenesis

Management of severe cleft maxillary deficiency with distraction osteogenesis: procedure and results (Figuerola and Polley). 1999;115:1-12

Mandibular distraction osteogenesis: a historic perspective and future directions (Cope et al). 1999;115:448-60

Osteophysiology

Forced eruption and implant site development: an osteophysiological response (Mantzikos and Shamus). 1999;115:583-91 (Continuing education)

Osteotomy

Psychological function in orthognathic surgical patients before and after bilateral sagittal split osteotomy with rigid and wire fixation (Hatch et al). 1999;115:536-43

Outcome assessment

Accuracy of video imaging for predicting the soft tissue profile after mandibular set-back surgery (Kazandjian et al). 1999;115:382-9

Early treatment outcome assessed by the Peer Assessment Rating index (Pangrazio-Kulbersh et al). 1999;115:544-50

A method of finishing the occlusion (Poling). 1999;115:476-87

Stability of orthodontic treatment outcome: follow-up until 10 years postretention (Al Yami et al). 1999;115:300-4 (Continuing education)

Treatment and posttreatment effects of acrylic splint Herbst appliance therapy (Franchi et al). 1999;115:429-38

Overbite

Effects of mandibular incisor extraction on anterior occlusion in adults with Class III malocclusion and reduced overbite (Færøvig and Zachrisson). 1999;115:113-24

P

Pacific Coast Society of Orthodontists

Retirement from orthodontics: financial and psychosocial preparation and adaptation (McNeill). 1999;115:283-7

Pain

Discomfort caused by bonded lingual orthodontic appliances in adult patients as examined by retrospective questionnaire (Miyawaki et al). 1999;115:83-8 (Continuing education)

Palatal expansion technique

Interleukin-1 β and β -glucuronidase in gingival crevicular fluid from molars during rapid palatal expansion (Tzannetou et al). 1999;115:686-96 (Continuing education)

Palatal expansion techniques

Mandibular asymmetry and condylar position in children with unilateral posterior crossbite (Lam et al). 1999;115:569-75 (Continuing education)

Rapid maxillary expansion with incisor intrusion: a study of vertical control (Pearson and Pearson). 1999;115:576-82 (Continuing education)

Palatal obturators

Two unilateral complete cleft lip and palate orthodontic cases treated from birth to adolescence (Rosenstein). 1999;115:61-71

Palate

Localization of the unerupted maxillary canine: how to and when to (Jacobs). 1999;115:314-22 (Continuing education)

Palatally ectopic canines: closed eruption versus open eruption (Burden et al). 1999;115:640-4

Parents

Patient-centered evaluation of orthodontic care: a longitudinal cohort study of children's and parents' attitudes (Fernandes et al). 1999;115:227-32

Passive motion, continuous; see Motion therapy, continuous passive

Patient care planning

Accuracy of video imaging for predicting the soft tissue profile after mandibular set-back surgery (Kazandjian et al). 1999;115:382-9

Asymmetric extraction treatment of a Class II Division 1 subdivision left malocclusion with anterior and posterior crossbites (Todd et al). 1999;115:410-7 (Case rep)

Correction of a severe Class II Division 1 malocclusion with bilateral buccal crossbite (Melone and Pardin). 1999;115:418-22 (Case rep)

An evaluation of factors affecting duration of orthodontic treatment (Beckwith et al). 1999;115:439-47

Identical twins treated differently (Benson et al). 1999;115:293-9 (Case rep)

A new accurate approach to the anterior ratio with clinical applications, part I: a computer program (Braun et al). 1999;115:368-72 (Special article)

The treatment motivation survey: defining patient motivation for treatment (Arnett and Worley). 1999;115:233-8 (Case rep)

Patient compliance

Analysis of rapid maxillary molar distal movement without cooperation (Runge et al). 1999;115:153-7 (Continuing education)

Patient satisfaction

Patient-centered evaluation of orthodontic care: a longitudinal cohort study of children's and parents' attitudes (Fernandes et al). 1999;115:227-32

Peer Assessment Rating index

- Early treatment outcome assessed by the Peer Assessment Rating index (Pangrazio-Kulbersh et al). 1999;115:544-50
- Stability of orthodontic treatment outcome: follow-up until 10 years postretention (Al Yami et al). 1999;115:300-4 (Continuing education)

Periodontal ligament

- Analysis of stress in the periodontium of the maxillary first molar with a three-dimensional finite element model (Jeon et al). 1999;115:267-74

Periodontal membrane

- Osteoclast activation and recruitment after application of orthodontic force (Tsai et al). 1999;115:323-30 (Continuing education)

Periodontium

- Analysis of stress in the periodontium of the maxillary first molar with a three-dimensional finite element model (Jeon et al). 1999;115:267-74

Personnel selection

- 3 Rs: recruitment, retention, reward (Caveney). 1999;115:15-16A (Editorial)

Porcelain

- Shear bond strengths of two resin-modified glass ionomer cements to porcelain (Chung et al). 1999;115:533-5

Premolar

- Congenitally missing second premolars in cleft lip and cleft palate children (Shapira et al). 1999;115:396-400
- The influence of extraction orthodontic treatment on craniofacial structures: evaluation according to two different factors (Taner-Sarisooy and Darendeliler). 1999;115:508-14

Protraction

- Design and fabrication of a modified protraction headgear for Class III long face patients (Nik and Noroozi). 1999;115:553-8 (Case rep)
- The effectiveness of protraction face mask therapy: a meta-analysis (Kim et al). 1999;115:675-85

Protrusion

- Multilingual bracket treatment combined with orthognathic surgery in a skeletal Class III patient with facial asymmetry (Fukui et al). 1999;115:654-9 (Case rep)
- Tongue muscle activity after orthodontic treatment of anterior open bite: a case report (Yashiro and Takada). 1999;115:660-6 (Case rep)

Psychological function

- Psychological function in orthognathic surgical patients before and after bilateral sagittal split osteotomy with rigid and wire fixation (Hatch et al). 1999;115:536-43

Psychosocial adaptation; see Adaptation, psychological**Q****Quality of care**

- Patient-centered evaluation of orthodontic care: a longitudinal cohort study of children's and parents' attitudes (Fernandes et al). 1999;115:227-32

Questionnaires

- Discomfort caused by bonded lingual orthodontic appliances in adult patients as examined by retrospective questionnaire (Miyawaki et al). 1999;115:83-8 (Continuing education)
- Stability of orthodontic treatment outcome: follow-up until 10 years postretention (Al Yami et al). 1999;115:300-4 (Continuing education)
- The treatment motivation survey: defining patient motivation for treatment (Arnett and Worley). 1999;115:233-8 (Case rep)

R**Rabbits**

- Mandibular length and midline asymmetry after experimentally induced temporomandibular joint disk displacement in rabbits (Legrell and Isberg). 1999;115:247-53

Radiographic image enhancement

- Digital imaging and orthodontics (Coimbra and Lomheim). 1999;115:103-5 (Ortho bytes)
- Orthodontic application of color image addition to visualize differences between sequential radiographs (Papika et al). 1999;115:488-93

Radiography

- Orthodontic application of color image addition to visualize differences between sequential radiographs (Papika et al). 1999;115:488-93
- Temporomandibular joint remodeling in adolescents and young adults during Herbst treatment: a prospective longitudinal magnetic resonance imaging and cephalometric radiographic investigation (Ruf and Pancherz). 1999;115:607-18

Range of motion

- Masticatory muscle function in patients with spinal muscular atrophy (Granger et al). 1999;115:697-702

Rats

- An ultrastructural study of the effects of bisphosphonate administration on osteoclastic bone resorption during relapse of experimentally-moved rat molars (Kim et al). 1999;115:645-53

Reception room

- Reception room digital presentations (Swartz). 1999;115:335-6 (Ortho bytes)

Recruitment; see Personnel selection**Research**

- Effect of changes in the breathing mode and body position on tongue pressure with respiratory-related oscillations (Takahashi et al). 1999;115:239-46 (Research article)
- Research article. 1999;115:239-46, 258-66

Resins

- Bonded molar tubes: a retrospective evaluation of clinical performance (Millett et al). 1999;115:667-74
- Bonding of hybrid ionomers and resin cements to modified orthodontic band materials (Mennemeyer et al). 1999;115:143-7
- A comparison of the shear bond strengths of two glass ionomer cements (Meehan et al). 1999;115:125-32
- Efficient and effective indirect bonding (Sondhi). 1999;115:352-9 (Special article)
- Shear bond strength of a resin-reinforced glass ionomer cement: an in vitro comparative study (Chung et al). 1999;115:52-4 (Short comm)
- Shear bond strength of composite, glass ionomer, and acidic primer adhesive systems (Bishara et al). 1999;115:24-8
- Shear bond strengths of two resin-modified glass ionomer cements to porcelain (Chung et al). 1999;115:533-5

Respiration

- Effect of changes in the breathing mode and body position on tongue pressure with respiratory-related oscillations (Takahashi et al). 1999;115:239-46 (Research article)

Retention

- Arch width and form: a review (Lee). 1999;115:305-13 (Continuing education)
- Stability of orthodontic treatment outcome: follow-up until 10 years postretention (Al Yami et al). 1999;115:300-4 (Continuing education)

Retirement

- Retirement from orthodontics: financial and psychosocial preparation and adaptation (McNeill). 1999;115:283-7

Review literature

- Arch width and form: a review (Lee). 1999;115:305-13 (Continuing education)

Reviews

- Reviews. 1999;115:107-11, 224-5, 340-1, 473, 605

Rubber

- In vitro and in vivo fluoride release from orthodontic elastomeric ligatures (Wiltshire). 1999;115:288-92

S**Set-back surgery**

- Accuracy of video imaging for predicting the soft tissue profile after mandibular set-back surgery (Kazandjian et al). 1999;115:382-9

Shear bond strength; see Bond strength**Sheldon Friel Memorial Lecture**

- Considerations of functional aspects in dentofacial orthopedics and orthodontics: Sheldon Friel Memorial Lecture (Schmuth). 1999;115:373-81 (Special article)

Short communication

- Short communication. 1999;115:52-4, 551-2

Signorino, Santo Paul

- Santo Paul Signorino, Dec 27, 1929 to Nov 18, 1998 (Graber). 1999;115:598 (In memoriam)

Skull

- Magnetic resonance images and histology of the sphenoid-occipital synchondrosis in young monkeys (*Macaca fuscata*) (Nakamura et al). 1999;115:138-42

Skull, growth and development

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